# BRUHATH BANGALORE MAHANAGARA PALIKE
## DASARAHALLY ZONE

**Name of work : Maintenance of roads and footpath in ward no 12 Shettyhalli, Shettyhalli Sub Division**

| Job No : 012-20-000076 | | P code- P3296 | | | | Est Cost Rs : 20.00 Lakhs | | |
|---|---|---|---|---|---|---|---|---|
| Sl. No. | Description of work | Unit | Measurements No | L | B | D | Qty | Rate | Amount |
| 1 | KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled nearly after breaking of clods complete as per specifications. MORTH / Chapter 3 .(PWD SR 2018 19, Page No.143, Item No. 19.1) | | | | | | | | |
| | Shettyhalli main road | cum | 1 | 185.00 | 1.20 | 1.00 | 222.00 | | |
| | Culvert | | 2 | 5.00 | 1.30 | 1.10 | 14.30 | | |
| | | | | | | | 236.30 | 233.20 | 55105.00 |
| | Basic Rate | 130.00 | | | | | | | |
| | Lead calculation for 15km ((2x1.28x15)+15=95.4) | 95.40 | | | | | | | |
| | Area Weightage@6% | 7.80 | | | | | | | |
| | Total | 233.20 | | | | | | | |
| 2 | KSRB 4-1.7 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM **( PWD SR 2018-19 Page No.13 , Item No.4.7 )** | | | | | | | | |
| | Shettyhalli main road | cum | 1 | 185.00 | 1.00 | 0.15 | 27.75 | | |
| | Culvert | | 2 | 5.00 | 1.20 | 0.15 | 1.80 | | |
| | Approches for culvert | | 4 | 5.00 | 0.60 | 0.20 | 2.40 | | |
| | | | | | | | **31.95** | 5714.96 | 182593.00 |
| | Basic rate | 5309.00 | | | | | | | |
| | Deduct cement rate as per SR 2018-19 | 1079.39 | | | | | | | |
| | Sub Total | 4229.61 | | | | | | | |
| | Add cement rate as per issue rate | 1161.86 | | | | | | | |
| | Total | 5391.47 | | | | | | | |
| | Baisc Rate | 5391.47 | | | | | | | |
| | Area Weightage @ 6% | 323.49 | | | | | | | |
| | | **5714.96** | | | | | | | |
| | KSRRB M2200-5.12. Providing and laying Design mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7cum and fine aggregates @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 - i) Upto 5m height **(PWD SR 2018-19 It No 28.7.12 P. No 222 )** | | | | | | | | |
| | Shettyhalli main road bed | cum | 1 | 185.00 | 0.90 | 0.15 | 24.98 | | |
| | Shettyhalli main road wall | | 2 | 185.00 | 0.15 | 0.60 | 33.30 | | |
| | Culvert | | 2 | 5.00 | 1.00 | 0.20 | 2.00 | | |
| | | | 2x4 | 5.00 | 0.20 | 0.80 | 6.40 | | |
| | | | | | | | **66.68** | 5775.38 | 385073.00 |
| | Basic rate | 5321.00 | | | | | | | |
| | Deduct cement rate as per SR 2018-19 | 1668.14 | | | | | | | |
| | Sub Total | 3652.86 | | | | | | | |
| | Add cement rate as per issue rate | 1795.61 | | | | | | | |
| | Total | 5448.47 | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | | Baisc Rate | 5448.47 | | | | | | | |
| | | Area Weightage @ 6% | 326.91 | | | | | | | |
| | | | 5775.38 | | | | | | | |
| | 4 | KSRRB M2200-6 : Providing **TMT teel reinforcement for RCC work** including starightening, cutting, bending, hooking, placing in position, lapping and /or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design( laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification MORTH Specification No.1600 & 2200 - TMT Bars Fe 500 **[PWD SR 2018-19 P. no.18 - I. no.4.46.2]** | | | | | | | | | |
| | | For Drain | **MT** | | 58.28 | | 60 | 3496.50 | | |
| | | 60kg/cum | | | | | | **3.50** | | |
| | | For Culvert | | | 8.40 | | 80 | 672.00 | | |
| | | 80kg/cum | | | | | | **0.67** | | |
| | | Basic rate | 70966.00 | | | | **Total** | **4.17** | 75223.96 | 313571.00 |
| | | Add AW 6% | 4257.96 | | | | | | | |
| | | | **75223.96** | | | | | | | |
| | 5 | Providing and fixing precast reinforced cement concrete covering slabs 10cm thick made out of M25 with OPC cememnt @340kgs per cum, 20mm and down size graded granite metal corse aggreates @0.70 cm and fine aggregates @0.74 cum with super plasticizers machine mixed, including providing and removing centering, shuttering strutting propping etc., for edges of slab with TMT steel (Fe500) cost & reinforcement charges including finishing as required with cost of reinforcement etc., complete as per the direction of Engineer-in-charge of the work. | | | | | | | | | |
| | | Pipe line Road Drain | **Sqm** | | | | | | | |
| | | Ch: 0.00 m to 317.70m | | 1 | 185.00 | 0.90 | | 166.50 | | |
| | | | | | | **Total Qty** | | **166.50** | 1615.00 | 268897.5 |
| | | Approved Rare | 1615.00 | | | | | | | |
| | 6 | Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. [PWD SR 2018-19 P. no.27 - I. no.5.30) | | | | | | | | | |
| | | Shettyhalli main road | **No** | | | | | 636.00 | | |
| | | | | | | | | **636.00** | 432.48 | 275057.28 |
| | 7 | KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 [PWD SR 2018-19 P. no.180- I. no.24.1) | | | | | | | | | |
| | | Shettyhalli main road | **Cum** | 1 | 185.00 | | 0.45 | 83.25 | | |
| | | As per kerb no =636x0.45= 286 mt | | | | | | **83.25** | 84.80 | 7059.60 |
| | | Basic rate | 80.00 | | | | | | | |
| | | Add AW 6% | 4.80 | | | | | | | |
| | | | **84.80** | | | | | | | |
| **RL-1** | | Providing and removing centering, shuttering, strutting, propping etc.. And removal of form work for vertical surface such as walls at any thickness including attached pillars, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. **(Pg 16 item no 4.31 of PWD SR 2018-19)** | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | For Drain | Sqmt | | 2 | 185.00 | | 0.9 | 333.00 | | |
| | | | | 2 | 185.00 | | 0.6 | 222.00 | | |
| | For Culvert | | | 4 | 5.00 | | 1.0 | 20.00 | | |
| | | | | 4 | 5.00 | | 0.8 | 16.00 | | |
| | | | | | | | Total | 591.00 | 379.48 | 224273.00 |
| | Basic rate | 358.00 | | | | | | | | |
| | Add AW 6% | 21.48 | | | | | | | | |
| | | 379.48 | | | | | | | | |
| EIRL-2 | KSRB 2-3 : Filling available excavated earth (excluding rock ) in sides of foundation upto plinth in layers not exceeding 20cms. In depth, compacting each deposited layer by ramming after watering with lead upto 50m. And lift upto 1.5m. Including cost of all labour complete as per specifications. Specificaton. No. KBS 2.9 . **(Pg 06 item no 2.10 of PWD SR 2018-19)** | | | | | | | | | |
| | For Drain | cum | | 1 | 185.00 | 0.2 | 0.9 | 166.50 | | |
| | For Culvert | | | 2 | 5.00 | 0.3 | 1.2 | 5.75 | | |
| | | | | | | | Total | 172.25 | 213.06 | 36700.00 |
| | Basic rate | 201.00 | | | | | | | | |
| | Add AW 6% | 12.06 | | | | | | | | |
| | | 213.06 | | | | | | | | |
| EIRL-3 | Providing and fixing precast reinforced cement concrete covering slabs 25 cm thick made out of M25 with OPC cememnt @340kgs per cum, 20mm and down size graded granite metal corse aggreates @0.70 cm and fine aggregates @0.74 cum with super plasticizers machine mixed, including providing and removing centering, shuttering strutting propping etc., for edges of slab with TMT steel (Fe500) cost & reinforcement charges including finishing as required with cost of reinforcement etc., complete as per the direction of Engineer-in-charge of the work. | | | | | | | | | |
| | Pipe line Road Drain | Sqm | | | | | | | | |
| | Ch: 0.00 m to 317.70m | | 2 | | 5.00 | 1.00 | | 10.00 | | |
| | | | | | | Total Qty | | 10.00 | 3083.68 | 30836.8 |
| | Approved Rare | 1615.00 | | | | | | | | |
| EIRL-4 | KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.. ( BCSR 2018-19. P-124, I-15.80) | | | | | | | | | |
| | Shettyhalli main road | Cum | 1 | | 185.00 | | 0.45 | 83.25 | | |
| | | | | | | | | 83.25 | 39.22 | 3265.07 |
| | Basic rate | 37.00 | | | | | | | | |
| | Add AW 6% | 2.22 | | | | | | | | |
| | | 39.22 | | | | | | | | |
| | | | | | | | | | Sub Total | 1782431.25 |
| | | | | | | | | | Add GST @ 12 % | 213892.00 |
| | | | | | | | | | Add for unforseen charges and rounding off | 3676.75 |
| | | | | | | | | | Grand Total | 2000000.00 |
| | (Rupees Twenty Lakhs Only) | | | | | | | | | |

*Certified that the work is not split*
*Certified that the estimate is based on PW,P&IWTD Bangalore Circle SR of 2018-19*
*Certified that Adeqate & necessary provisions have made in the estimate.*
*Certified that the above area comes under BBMP limit*

Asst Engineer
Ward-12
BBMP.

Asst.Executive Engineer
Shettyhalli Sub Division

Executive Engineer
Dasharahalli Division

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Technically Sanctioned for Rs. 13.36 lakhs/-

Rs. In words. Thirteen lakhs Thirty six thousand only/-

Under P. 3296

Job Code No. 012-20-000076

Registered as CE No. 09/2024 09/ESR/Subdivn

to conditions contained in Enclosed Memo

No. CE/A2/TS/09/2020-21 dt. 09/03/2024

AEJE. TA CE(D) 9/3/2024

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